

Direct Cost History - Electrophotographic Processing Techniques Study

June 22, 1965 to January 30, 1966

The following is a breakdown of direct costs accumulated on the EPT program from June 22, 1965 to January 30, 1966. Costs are presented for nine different major tasks and for two items which apply to several of these tasks and could not be conveniently broken down. These latter two items are Travel and Photographic Materials. The costs for the individual tasks are presented showing the time and charges for each engineer involved in the task, the total time and charges for non-professional technical personal (not by individual name), and the accumulated and committed charges for equipment and materials. The total of all costs shown differs from the total shown in the monthly progress reports by a factor of 12.8% which is the total cost for Applied Research and Development Charges and General and Administration Expense Charges which are applied to all government contracts.

The nine tasks are combinations of some of the more detailed tasks described in the proposal and interim reports for the EPT project. A brief explanation of the nine tasks used for this cost breakdown is as follows:

I Implementation of Photo-Lab

The procurement, installation, test and calibration of all the special test equipment as well as other facilities purchased for the laboratory for electrical chemical processing techniques experiments.

II Materials Evaluation and Selection

The examination, analysis, and selection of films and chemicals to be used in the processing experiments with different techniques, equipment, and types of scenes.

III Electrical-Chemical Processing Experiments

The generation of new samples as well as the evaluation of supplied transparencies for processing, the preparation of these transparencies for corrective

processing, the application of electrical-chemical processing techniques, and the analysis of the techniques with respect to the different scenes and transparencies.

#### IV Bread-Board Modulated-Light Contact Printer

2.1.5 2.1.6

All activity involved in the design and development of the bread-board contact printer to be used in the electrical-chemical processing experiments.

#### V First Bread-Board Electronic Processor

The initial analysis, specification and design of the first bread-board electronic processor, the development of the processor, processing experiments using this system, system tests and measurements, and evaluation of the results of processing and the utility and feasibility of the electronic techniques which were examined.

#### VI Second Bread-Board Electronic Processor

2.1.7

The same activities as in Task #5 for the more complex high resolution bread-board electronic processor.

#### VII System Analysis and Technique Evaluation

The development of a mathematical model to analyze and describe the processing techniques being studied on this program, the evaluation of techniques, and the analysis of the feasibility of simulating electrical-chemical techniques electronically.

#### VIII Technical Administration

The technical coordination of project activities and preparation of progress reports and presentations.

#### IX Publications

The editing and publication of formal program reports.

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